Yucheng Li

Male | XX/XX/XXXX | 646-899-1875 | yl5215@cumc.columbia.edu | New York, NY 10032

EDUCATION

Columbia University   **Sep. 2022—Present**
Degree: Master of Science in Biostatistics

University of Miami   **Jan. 2018—May 2022**
Triple Major: Mathematics (Probability and Statistics Track); Biochemistry and Molecular Biology; Chemistry
Double Minor: Computer Science; Political Economy
GPA: 3.875/4.0
Core Courses: Calculus I, II, III; Linear Algebra; Probability; Mathematical Statistics; Statistical Analysis; Programming I, II; Machine Learning; Health Sector Management and Policy; Microeconomics I, II; Macroeconomics I, II; Econometrics; Biochemistry; Protein Chemistry; Molecular Biology; Cell Biology; Organic Chemistry I, II; Analytic Chemistry I, II; Physical Chemistry.
Honors: Departmental Honors in Mathematics; Departmental Honors in Biochemistry and Molecular Biology; Cum Laude.
Dual Degrees: Bachelor of Science; Bachelor of Arts.

INTERNSHIP EXPERIENCE

Lenovo Capital and Incubator Group   **June 2022—Present**
Position: Investment Analyst Intern
- Conducted investment analysis in the industries of synthetic biology, skincare, aesthetic medicine, and therapeutic peptides. The analyses started from a survey of business opportunities, followed by an introduction of current key players in the relevant industries, and then emphasized the competitive advantages of the target startups that differentiate them from their competitors.
- Read, summarized, and reorganized useful information from business plans, meeting minutes, equity research reports, prospectus, and financial news, conducted independent research on selected topics, and delivered market insights to serve as reference for the investment analysis report.
- Made a map of top researchers in synthetic biology. Connected with selected researchers, visited their labs and offices, and helped my team build a network of industry experts and potential university startups and spin-offs.
- Made a presentation to the investment committee, in which I reviewed the history of Chinese pharmaceutical industry and identified business trends for the decade ahead.

Shenzhen Salubris Pharmaceuticals Co., Ltd.   **May 2021—Jul. 2021**
Position: SAS Programmer and Assistant Biostatistician
- Supported in the design of clinical report forms (CRFs), ensuring that CRFs were user-friendly and were in accordance with study protocol. Added instructions in CRFs to help data recorders comply with the protocol.

- Reviewed study protocols and clinical study reports to make sure they comply with regulations and that the language is clear, concise, precise, and consistent.
- Assisted in interpreting statistical methods and clinical data.
- Assisted in calculating sample size with PASS, writing Statistical Analysis Plan (SAP) and mock Tables, Figures and Listings (TFLs) Shells, using SAS to validate statistical output, reviewing labels and supporting regular study monitoring activities, such as PD review and data query.
- Compiled clinical trial databases into statistics, analyzed the data, and wrote SAS programs to create tables and graphs.
- Assisted the Health Economics team in the analysis of clinical and economic data to support pricing and access strategies.

RESEARCH & PROJECT EXPERIENCE

Investigation into the Role of FancA in Cancer Development and   **July 2021—June 2022**
Validation of FancA as a Novel Drug Target

Mentored by Dr. Yanbin Zhang at the University of Miami Miller School Medicine

Position: Research Assistant and Independent Investigator

- Independently analyzed RNAseq data. After intensive data cleaning and normalization, analyzed and drew conclusions about the impact of FancA perturbations on cancer biology using the DESeq2 R package. Supported the lab in drug target validation of FancA.
- Independently explored novel computational methods for protein structure prediction and protein functional analysis.
- Supported experimental scientists in data analysis, data visualization, and data interpretation.
- Assisted in protein purification, animal experiments, and molecular biology experiments.
- Worked with third-party companies in drug screening.

Identification of the Molecular Targets of Bakuchiol in Human Skin Cells   **Jan. 2021—Apr. 2021**

Mentored by Dr. Arthur Salomon from Brown University

Position: Independent Investigator

- Selected a research topic, learned background information, developed research questions, and refined the topic.
- Proposed a potential mechanism of action of Bakuchiol as an anti-aging agent after extensive literature searches.
- Designed a research strategy to test the proposed hypothesis. Thoroughly discussed all possible results.
- Wrote a research paper. Created scientific illustrations for the paper. Presented and defended the research paper.
- Published a research paper on the proposed mechanism of action and the molecular targets of Bakuchiol.

PUBLICATIONS

Yucheng Li (First Author). Identification of the Molecular Targets of Bakuchiol in Human Skin Cells. ACM International Conference Proceeding Series. EI,SCOPUS. ISBN: 978-1-4503-9549-6. Bioengineering and Bioinformatics BEBI 2021, Conference paper. Accepted.

SKILLS & INTERESTS

Skills: R, Python, SAS, Java, Linux, SQL, LaTeX, Microsoft Office Suite, Adobe Illustrator. Data cleaning, Data analysis, Data visualization, Clinical study protocol development, Clinical report forms design, Health economics and outcomes research, GCP, GMP, GLP, Research proposal writing, Research paper writing and publishing, RNAseq analysis, Biochemistry and molecular biology experiments

Interests: Volunteering, Cooking, Baking, Music, Travelling